If there are any questions concerning this paper, the Examiner is requested to contact the undersigned so that resolution of the question can be expedited.

Respectfully submitted,

**BUCHANAN INGERSOLL PC** 

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Christopher L. North Registration No. 50,433

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620



## **ANNOTATED MARKED-UP DRAWINGS:**

|     | CAA        | gln |     | TTA | leu |     | GAG        | glu | )   | <b>GCT</b> | ala |     | AAA        | lys | •   | TTA        | leu |        | CAA        | gln | 1   | ATA | ile       |             |     |         |    |
|-----|------------|-----|-----|-----|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|--------|------------|-----|-----|-----|-----------|-------------|-----|---------|----|
|     | CAA        | gln |     | GAT | asp | •   | SA         | gln | )   | CGT        | arg | )   | AAA        | lys | •   | CGT        | arg | )      | CAT        | his |     | ATA | ile       |             |     |         |    |
|     | GAA        | glu |     | AGC | ser |     | GAA        | glu | )   | AGA        | arg | •   | ACG        | thr |     | <b>GGT</b> | gly | ,<br>) | CCA        | pro |     |     | ser       |             |     |         |    |
|     | CAA        | gln |     | CAA | gln | )   | TTA        | leu |     | GAG        | glu | )   | GAT        | asb | •   | TAT        | tyr | ,      | ATA        | ile | (   | ATA | <u>\$</u> | <del></del> | ATG | Met     |    |
|     | TTG        | len |     | CAA | gln | ,   | GAT        | asp | •   | CAA        | gln | )   | GCT        | ala |     | TTA        | leu |        | TAT        | tyr |     | GAA | glu       |             |     |         |    |
|     | AAG        | lys |     | GAA | glu | )   | AGC        | Ser |     | GAA        | glu | )   | AAG        | lys | •   | GAT        | asp | •      | TAT        | tyr | ,   | AAG | lys       |             |     |         |    |
|     | GAA        | glu |     | CAA | gln | )   | CAA        | gln | )   | TTA        | leu |     | AGG        | arg | )   | GAG        | glu | )      | <b>GGA</b> | gly |     | TCC | ser       |             |     |         |    |
|     | AAA        | lys |     | TTG | leu |     | CAA        | gln | ,   | GAT        | asp | •   | CAA        | gln | )   | <b>GCA</b> | ala |        | CGT        | arg |     | GAT | asp       |             |     | ۵       | מ  |
|     | GCT        | ala |     | AAG | lys | •   | GAA        | glu | •   | AGC        | ser |     | GAA        | glu | ,   | TTA        | leu |        | GAA        | glu |     | AGA | arg       |             |     |         | _  |
|     | <b>CGT</b> |     |     | GAA |     |     |            |     |     |            |     |     |            |     |     | ATA        |     |        | AAT        | asn |     | AGT | ser       | •           |     |         |    |
|     | AGA        | arg |     | AAA | lys | ,   | 116        | leu |     | CAA        | gln | )   | GAT        | asp |     | GAT        | asp |        | GAA        | glu |     | AAT | asn       |             |     | <u></u> | フワ |
| 131 | GAG        | glu | 151 | SCT | ala | 171 | AAG        | lys | 191 | GAA        | nlg | 211 | AGA        | arg | 231 | <b>GGA</b> | gly | 251    | TCA        | ser | 271 | 999 | gly       |             |     | L       | L  |
| \   | CAA        | gln | _   | CTT | leu | _   | GAA        | glu | _   | CAA        | gln | _   | SA         | gln | _   | CAT        | his | \      | CCA        | pro | \   | AGA | arg       |             |     |         |    |
| 391 | GAA        | nlg | 451 | AGA | arg | 511 | AAA        | lys | 571 | TTG        | leu | 631 | CAG        | gln | 691 | GAA        | glu | 751    | CTT        | len | 811 | AAC | asn       |             |     |         |    |
|     | TTA        |     |     | GAG | glu |     | GCT        | ala |     | AAG        | lys | •   | GAG        | glu |     | AAG        |     |        | GAA        |     |     | GAC | asb       |             |     |         |    |
|     | GAT        | asp |     | C¥  | gln |     | <b>CGT</b> | arg |     | GAA        | glu |     | CAA        | gln |     | AAA        | lys |        | ATA        | ile |     | CAG | gln       |             |     |         |    |
|     | AGC        | ser |     | GAA | nlg |     | AGA        | arg |     | AAA        | lys | ,   | <b>TTG</b> | len |     | AGA        | arg |        | GCT        | ala |     | CCT | pro       |             |     |         |    |
| 121 | CAA        | gln | 141 | TTA | leu | 161 | GAG        | glu | 181 | GCT        | ala | 201 | AAG        | lys | 221 | GAA        | glu | 241    | CCA        | pro | 261 | TTA | len       |             |     |         |    |
| \   | CAA        | glu | \   | GAT | asp | _   | CA         | gln | \   | CGT        | arg | \   | GAA        | glu | \   | TTA        | leu | \      | ATA        | ile | _   | 77  | ser       |             |     |         |    |
| 361 | GAA        | glu | 421 | AGC | ser | 481 | GAA        | glu | 541 | AGA        | arg | 601 | AAA        | lys | 661 | AAT        | asn | 721    | GAA        | glu | 781 | TCT | ser       |             |     |         |    |
|     |            |     |     |     |     |     |            |     |     |            |     |     |            |     |     |            |     |        |            |     |     |     |           |             |     |         |    |

FIGURE 10B